



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Gary W. Scott

Atty. Dkt: NBD-46/47181-  
00193USP1

Serial No.: 09/761,921

Group Art: 2857

Filed: January 17, 2001

Examiner: West, Jeffrey R.

Title: Detection of Arcing Faults  
Using Bifurcated Wiring System

AMENDMENT AND RESPONSE TO  
OFFICE ACTION DATED JANUARY 23, 2003

Box AF  
Commissioner For Patents  
Washington, D.C. 20231

CERTIFICATE OF MAILING  
37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with  
the U.S. Postal Service as First Class Mail in an envelope  
addressed to: Box AF, Commissioner for Patents, Washington,  
D.C. on the date indicated below:

3-24-03  
Date

Lynn A. Handrick

Dear Commissioner:

In response to the Office Action dated January 23, 2003, please amend the above-  
identified application as follows:

In the Claims

Please amend claims 1 and 17 as follows:

1. (Twice amended) A zone arc fault detection system for detecting series  
and parallel arcing faults in a defined zone of an electrical circuit supplying electrical  
power to a load, [such as an aircraft circuit,] comprising:

a single pair of substantially identical parallel insulated load conductors for each  
zone in which arcing is to be detected, thereby defining a detection zone comprising the

04/02/2003 CNGUYEN 00000116 09761921

01 FC:1202  
02 FC:1201

144.00 OP  
84.00 OP

AP/2800  
TENT



In ~~Re~~ Application Of:

Gary W. Scott

Application No.: 09/761,921

Filed: January 17, 2001

**Title: DETECTION OF ARCING  
FAULTS USING BIFURCATED  
WIRING SYSTEM**

Atty. Docket No.: NBD-46  
47181-00193USP1

Group Art Unit: 2857

Examiner: West, Jeffrey R.

TECHNOLOGY CENTER 2800

APR-4 2003

RECEIVED

**AMENDMENT TRANSMITTAL**

Box AF  
Commissioner for Patents  
Washington, D.C. 20231

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Box AF, Commissioner for Patents, Washington, D.C. 20231.

Date: March 24, 2003

Signature: \_\_\_\_\_

Lynn A. Handrick

Dear Sir:

Transmitted herewith is an "Amendment and Response To Office Action Dated January 23, 2003" for this application.

The Applicant is other than a small entity.

The proceedings herein are for a patent application, and the provisions of 37 C.F.R. § 1.136 apply.

The Applicant believes that no extension of time is required. This conditional petition is being made, however, to provide for the possibility that the Applicant has inadvertently overlooked the need for a petition for extension of time.

The fee for claims (37 C.F.R. § 1.16(b)-(d)) has been calculated as shown below.


	Claims Remaining	Highest No. Paid For	Extra	Small Entity	Large Entity
Total	40	32	8 x	\$ 9 = \$	\$ 18 = \$144.00
Independent	4	3	1 x	\$ 42 = \$	\$ 84 = \$84.00
Multiple Dependent Claim Presented				\$ 140 = \$	\$ 280 = \$ 0
TOTAL ADDITIONAL FEE					\$ 228.00

Enclosed is check in the amount of \$228.00 to cover the additional claims fees calculated above.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 10-0447 (47181-00193USP1). A duplicate copy of this Transmittal is enclosed for that purpose.

Respectfully submitted,

Date: March 24, 2003

  
Stephen G. Rudisill  
Reg. No. 20,087  
Jenkins & Gilchrist  
225 West Washington Street, Suite 2600  
Chicago, IL 60606-3418  
(312) 425-3900  
Attorney for Applicant